

Notice of Allowability

Application No.

10/034,228

Examiner

Anh D. Mai

Applicant(s)

CHEONG, WOO SEOCK

Art Unit

2814

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to the telephone interview on December 6, 2004.
2. ☒ The allowed claim(s) is/are 2-5,10-12,14,15,18,25 and 27-40.
3. ☒ The drawings filed on 28 December 2001 are accepted by the Examiner.
4. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☒ All b) ☐ Some* c) ☐ None of the:
 1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit
of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☒ Interview Summary (PTO-413),
Paper No./Mail Date 20041206 .
7. ☒ Examiner's Amendment/Comment
8. ☐ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____.


HOAI PHAM
PRIMARY EXAMINER

DETAILED ACTION

Status of the Claims

1. Amendment filed November 08, 2004 has been entered. Claim 1 has been canceled. Claims 2 and 27 have been amended. Claims 2-48 are pending. Non-elected, claims 6-9, 13, 16, 17, 19, 20-24, 26 and 41-48 have been withdrawn.
2. In the Response filed December 12, 2003, Applicant has provisionally elected without traverse Group I, claims 1-5 and 10-12, 14, 15, 18, 25 and 27-40.
3. In the Office Action, Paper No. 03212004, the Examiner has inadvertently indicated that claims 41-48 are objected to. Based on the Election, claims 41-48 should be withdrawn since the merits of these claims have not been examined.

EXAMINER'S AMENDMENT

4. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.
5. This application is in condition for allowance except for the presence of claims 6-9, 13, 16, 17, 19-24, 26 and 41-48 to species non-elected without traverse. Accordingly, claims 6-9, 13, 16, 17, 19-24, 26 and 41-48 have been cancelled.

The application has been amended as follows:

In the Claims:

Cancel claims: 6-9, 13, 16, 17, 19-24, 26 and 41-48.

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In the Specification:

New Title: METHOD OF MANUFACTURING OF CONTACT PLUG IN A
CONTACT HOLE ON A SILICON SUBSTRATE.

Allowable Subject Matter

6. Claims 2-5, 10-12, 14, 15, 18, 25 AND 27-40 are allowed.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Long Pham whose telephone number is (571) 272-1714. The examiner can normally be reached on M-F, from 7:30 AM-3:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Wael Fahmy can be reached on (571) 272-1705. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

A.M
December 6, 2004



**HOAI PHAM
PRIMARY EXAMINER**